



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: January 28, 1999

HYDROGRAPHIC BRANCH: Pacific

HYDROGRAPHIC PROJECT: OPR-N368-PHP

HYDROGRAPHIC SHEET: H-10766

LOCALITY: Rosario Strait, Towhead Island to Fern Point, Northern Puget Sound, WA

TIME PERIOD: July 22, 1997 - August 21, 1998

TIDE STATION USED: 944-9424 Cherry Point, WA
Lat. 48° 51.8'N Lon. 122° 45.5'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.515 meters

TIDE STATION USED: 944-9932 Armitage Island, WA
Lat. 48° 32.1'N Lon. 122° 47.8'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.194 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: NPS49, NPS50, NPS51 & NPS71
Refer to attachments for zoning information.

Note 1: Provided time series data are tabulated in metric units (Meters), relative to MLLW and on Greenwich Mean Time.

Note 2: Use tide data from the appropriate station for each zone according to the order in which they are listed in the "Tidezone" corrector files. For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available. All zones within a survey sheet may not have the same order of applicable tide stations.

For 

CHIEF, REQUIREMENTS AND ENGINEERING BRANCH



Final tide zone node point locations for OPR-N368-PHP-97,
 Sheet H-10766.

Format: Longitude in decimal degrees (negative value denotes
 Longitude West),
 Latitude in decimal degrees
 Tide Station (in recommended order of use)
 Average Time Correction (in minutes)
 Range Correction

		Tide Station Order	AVG Time Correction	Range Correction
Zone NPS49				
-122.738076	48.584204	944-9932	+24	1.05
-122.810286	48.595829	944-9424	-24	0.90
-122.823941	48.604132			
-122.816365	48.645664			
-122.777379	48.648211			
-122.690254	48.622077			
-122.716476	48.606516			
-122.703318	48.593215			
-122.738076	48.584204			
Zone NPS50				
-122.777379	48.648211	944-9932	+36	1.07
-122.75407	48.661748	944-9424	-18	0.92
-122.658967	48.686974			
-122.628335	48.665882			
-122.622261	48.656703			
-122.690254	48.622077			
-122.777379	48.648211			
Zone NPS51				
-122.75407	48.661748	944-9424	-12	0.95
-122.777379	48.648211	944-9932	+36	1.10
-122.816365	48.645664			
-122.881019	48.701912			
-122.886924	48.748048			
-122.837066	48.747287			
-122.712121	48.738051			
-122.706645	48.733619			
-122.68228	48.710359			
-122.658967	48.686974			
-122.75407	48.661748			
Zone NPS71				
-122.703318	48.593215	944-9932	+30	1.06
-122.716476	48.606516	944-9424	-18	0.91
-122.690254	48.622077			
-122.622261	48.656703			

-122.609823 48.640495
-122.610103 48.611323
-122.646296 48.585732
-122.703318 48.593215